

WAC 480-93-005 Definitions.

(1) "**Bar hole**" means a hole made in the soil or paving for the specific purpose of testing the subsurface atmosphere with a combustible gas indicator.

(2) "**Building**" means any structure that is normally or occasionally entered by humans for business, residential, or other purposes and where gas could accumulate.

(3) "**Business district**" means an area where the public regularly congregates or where the majority of the buildings on either side of the street are regularly utilized, for financial, commercial, industrial, religious, educational, health, or recreational purposes.

(4) "**CFR**" means the Code of Federal Regulations.

(5) "**Combustible gas indicator**" (CGI) means a device capable of detecting and measuring gas concentrations in air.

(6) "**Commission**" means the Washington utilities and transportation commission.

(7) "**Enclosed space**" means any subsurface structure of sufficient size that could accommodate a person and within which gas could accumulate, e.g., vaults, catch basins, and manholes.

(8) "**Follow-up inspection**" means an inspection performed after a repair has been completed in order to determine the effectiveness of the repair.

(9) "**Gas**" means natural gas, flammable gas, or gas that is toxic or corrosive.

(10) "**Gas associated substructures**" means those devices or facilities utilized by an operator which are not intended for storing, transporting, or distributing gas, such as valve boxes, vaults, test boxes, and vented casing pipe.

(11) "**Gas company**" means, as defined in RCW 80.04.010, every corporation, company, association, joint stock association, partnership and person, their lessees, trustees or receiver appointed by any court whatsoever, and every city or town, owning, controlling, operating or managing any gas plant within this state.

(12) "**High occupancy structure or area**" means a building or an outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by twenty or more persons on at least five days a week for ten weeks in any twelve-month period. (The days and weeks need not be consecutive.)

(13) "**Indication**" means a response indicated by a gas detection instrument that has not been verified as a reading.

(14) "**LEL**" means the lower explosive limit of the gas being transported.

(15) "**MAOP**" means maximum allowable operating pressure.

(16) "**Master meters system**" is as defined ~~as set forth~~ in 49 CFR § 191.3.

(17) "**Operator**":

(a) For purposes of chapter 480-93 WAC, the term "operator" means:

(i) Every gas distribution company that has tariffs on file with the commission;

(ii) Every city or town that owns, controls, operates, or manages any gas plant in this state; and

(iii) Every other person or corporation transporting ~~natural~~ gas by pipeline, or having for one or more of its principal purposes the construction, maintenance, or operation of pipelines for transporting ~~natural~~ gas in this state; even though such person or corporation does not deliver, sell, or furnish any such gas to any person or corporation within this state. The terms "person" and "corporation" are defined in RCW 80.04.010. "Transporting ~~natural~~ gas by pipeline" means transmission or distribution of ~~natural~~ gas through a pipe.

(b) A single entity may qualify as an operator under one or more of the provisions of this subsection.

(c) The term "operator" includes operators of master meter systems, as ~~that term~~ is defined in ~~WAC 480-93-005~~ this section.

(18) "**Prompt action**" means to dispatch qualified personnel without undue delay for the purpose of evaluating and, where necessary, abating an existing or probable hazard.

(19) "**Psig**" means pounds per square inch gauge.

(20) "**Public service company**" is defined in RCW 80.04.010.

(21) "**Reading**" means a repeatable representation on a combustible gas indicator or equivalent instrument expressed in percent LEL or gas-air ratio.

(22) "**Record(s)**" means any electronic or paper document, map, database, report or drawing created by or kept by an operator.

~~(223)~~ "**Sniff test**" means a qualitative test utilizing both threshold and readily detectable methods for determining proper concentrations of odorant.

~~(2324)~~ "**Transmission line**" means a gas pipeline as defined in 49 CFR § 192.3 on the date specified in WAC 480-93-999.

~~(2425)~~ "**Weak link**" means a device or method used when pulling polyethylene pipe to ensure that damage will not occur to the pipeline by exceeding the maximum tensile stresses allowed.

~~(2526)~~ Other terms that correspond to those used in 49 CFR Parts 191, 192 and 199 (Minimum Federal Safety Standards for Gas Pipelines) must be construed as used therein on the date specified in WAC 480-93-999.

WAC 480-93-005 (22): The definition of "Record" was not changed based on the submitted written comments or discussion at the March 6, 2007 Workshop.

WAC 480-93-013 Covered Task

(1) Background. 49 CFR §§ 192.803 through 192.809 prescribe the requirements associated with qualifications for operator personnel to perform "covered tasks." 49 CFR § 192.801 defines a "covered task." In WAC 480-93-999, the commission adopts 49 CFR §§ 192.801 through 192.809.

(2) In this section, the commission includes "new construction" in the definition of "covered task." Accordingly, for the purpose of this chapter, the commission defines a covered task that will be subject to the requirements of 49 CFR §§ 192.803 through 192.809 as an activity, identified by the operator, that:

- (a) Is performed on a pipeline facility;
- (b) Is an operations, maintenance, or new construction task;
- (c) Is performed as a requirement of Part 192 CFR; and
- (d) Affects the operation or integrity of the pipeline.

(3) In all other respects, the requirements of 49 CFR §§ 192.801 through 192.809 apply to this chapter.

(4) ~~Individuals shall be trained, tested and qualified to perform covered tasks on facilities applicable to the operator's gas pipeline system. Examples of such facilities include, but are not limited to, regulator stations, overpressure protection devices and rectifiers.~~ If an operator uses a third party to train and qualify employees on covered tasks, the equipment and facilities used for training and qualification must be similar to the equipment and facilities the employee will perform the covered task on.

WAC 480-93-013 (4): Covered task has been re-worded following comments received at the March 6, 2007 workshop. Staff has re-written this subsection to clarify that if an operator uses a third party to qualify its employees, the training needs to be done using like facilities using like equipment used by the operator. In addition, we have deleted the last sentence of subsection (4) that listed the examples.

WAC 480-93-015 Odorization of Gas

(1) ~~All natural~~ Operators transporting gas that is transported by pipeline must be odorized odorize the gas at a concentration in air of at least one-fifth of the lower explosive limit, so that the gas is readily detectable by a person with a normal sense of smell.

(2) Operators must use an odorant testing instrumentation when conducting sniff tests. Sniff tests must be performed at least once monthly. Master meter operators who comply with 49 CFR § 192.625(f) are exempt from this requirement.

(3) Operators must take prompt action to investigate and remediate odorant concentrations that do not meet the minimum requirements of subsection (1).

~~(3) Instruments used to conduct odorant sniff tests must be maintained, tested for accuracy, calibrated, and operated in accordance with~~ Operators must follow the instrument manufacturer's recommendations for maintaining, testing for accuracy, calibrating and operating odorant testing instruments. ~~When there are no the~~ manufacturer's does not provide a recommendations, operators must conduct accuracy checks and calibrate instruments if outside specified tolerances, at least once annually.

~~(4) Operators must keep all records of odorant usage, sniff tests performed, and equipment odorant testing instrument calibration for five years.~~

~~(6) Exception. This rule does not apply to pipelines that transport hydrogen gas for use as a feedstock in a manufacturing process. This rule does not apply to pipelines that transport gas where the odorant would make the gas unfit for its intended purpose. In this case pipeline leak surveys must be performed monthly.~~

WAC 480-93-015 Odorization of Gas. The first sentence of subsection (6) deletes the word "hydrogen," as proposed in the summary of written comments. The second sentence is re-written and moved to WAC 480-93-188 (3).

WAC 480-93-017

Filing requirements for design, specification, and construction procedures.

(1) Any operator intending to construct or operate a gas pipeline facility in this state must file ~~with the commission~~ all applicable construction procedures, designs, and specifications used for each pipeline facility ~~prior to operating the pipeline with the commission~~ at least forty-five (45) days prior to the initiation of construction activity. All procedures must detail the acceptable types of materials, fittings, and components for the different types of facilities in the operator's system.

(2) With the exception of emergency situations, any construction plans that do not conform to a gas company's existing and accepted construction procedures, designs, and specifications on file with the commission, must be submitted to the commission for review at least forty-five days prior to the initiation of construction activity.

Change made based on March 6, 2007 Workshop:

It was suggested at the workshop that the term “operator” be changed to “person.” After reviewing the definition of “operator,” we found that the term “person” is contained within the definition of “operator.” Therefore, we left the wording as is. Subsection (1) adds “construct or” as suggested by stakeholders at the workshop.

WAC 480-93-018

~~Maps, drawings, and r~~**Records of gas facilities.**

~~(1) In addition to any document required to be maintained by this chapter, each operator must also prepare, maintain, and make available to the commission, any record, map or written procedure required by federal law to be kept by an operator concerning the reporting of gas releases, and the design, construction, testing, or operation and maintenance of gas pipelines. Operators must maintain records sufficient to demonstrate compliance with all requirements of 49 CFR Parts 191, 192 and WAC 480-93.~~

~~(2) Operators must give the commission access to such records upon request.~~
Operators must give the commission access to records for review during an inspection and provide copies of requested records.

~~(3) Operators must maintain such records in a format and location that makes them easily accessible and easy to review and inspect.~~

~~(4) Operators must provide copies of any such records to the commission upon request.~~

(3) Operators must maintain a list of forms and databases, including examples where applicable, that specify what records the operator maintains. Operators must make this list available to the Commission upon request.

~~(5) The eOperators must record and maintain a records of the actual value of any required reads, tests, surveys or inspections performed. The record must be signed and dated by the person performing the work. The records must include the name of the person who performed the work and the date the work was performed. The records must also contain information sufficient to determine the location and facilities involved. Examples of the values to be recorded include, but are not limited to, pipe to soil potential reads, rectifier reads, pressure test levels, and combustible gas indicator reads. A range of values may not be recorded unless the measuring device provides only a range of values.~~

(5) Operators must update all records within six months of completion of any construction activity and make them available to appropriate company operations personnel.

~~(6) Nothing in subsection (1) of this section limits the commission's right to inspect any other accounts, books, papers or documents of any public service company, pursuant to RCW 80.04.070.~~

(7) If an operator believes a record provided to the commission is confidential as that term is defined in WAC 480-07-160(2), the operator will follow the procedures in WAC 480-07-160 for designating and treating that record as confidential.

WAC 480-93-018 Records (this is a new proposed title)

The following subsections have been changed based on the written comments and the comments received at the March 6, 2007 Workshop:

Subsections (2) and (4) have been combined. The draft language reflects the suggested language in the summary of written comments.

Staff agreed to delete subsection (3).

The new subsection (3) comes over from WAC 480-93-180 (3), and addresses the requirement that an operator provide upon request a list of all forms, databases and records that are maintained for compliance. This move was suggested at the stakeholder workshop and in follow-up discussions with an operator following the workshop.

Staff agreed to delete subsection (4) and combine it with subsection (2)

New subsection (4), sentence one: Staff redrafted the language to remove the signature language in sentence 2 of subsection (4). The change in sentence one is to assure that an operator records the specific value found even if the value is "zero" Values must be documented.

New subsection (7) is added per the request of NWIGU, to address treatment of records deemed exempt from public disclosure.

WAC 480-93-100 Valves.

(1) Each operator must have a written valve maintenance program detailing the valve selection process, inspection, maintenance, and operating procedures. The written program must detail which valves will be maintained under 49 CFR § 192.745, 49 CFR § 192.747, and this subsection. The written program must also outline how the operator will monitor and maintain valves during construction projects to ensure accessibility. The following criteria and locations must be ~~considered~~ incorporated in the written program and used when selecting which valves require annual inspections and maintenance under 49 CFR § 192.747:

- (a) Each pressure regulating station.
- (b) Principal feeds into business districts.
- (c) Geographical size of the area to be isolated.
- (d) Number of potential customers affected.
- (e) Pipeline size and operating pressures.
- (f) Class locations.
- (g) Potential threats including, but not limited to, earthquakes, floods, and landslides.
- (h) Emergency response time.
- (i) High occupancy structures or areas.
- (j) Pipeline material: for example steel, polyethylene, or cast iron.

(2) Each operator must have a written service valve installation and maintenance program detailing the valve selection process, inspection, maintenance, and operating procedures. The written program must detail which new services will be required to have service valves installed and maintained under this section. Preexisting ~~services with valves~~ service valves already installed, and meeting the same ~~inspection~~ criteria established for new service valve installation, must be maintained in accordance with subsection (3) of this section. The following criteria and ~~or~~ locations must be ~~considered~~ incorporated in the written program and used when selecting which services will have valves installed and/or maintained under this section.

- (a) Services to churches, schools, hospitals.
- (b) Service line length and size.
- (c) Service line pressure.
- (d) Services to buildings occupied by persons who are confined, are of impaired mobility, or would be difficult to evacuate.
- (e) Services to commercial or industrial buildings or structures.
- (f) Services to high occupancy structures or areas.

(3) All service valves selected for inspection in the program required in subsection (2) of this section must be operated and maintained at least once annually, but not to exceed fifteen months between operation and maintenance.

- (4) ~~The selection of valves must be based on the unique operating conditions of~~

~~each system. Valves must be installed so as to minimize shutdown time in an emergency. The operator must select which valves to inspect based on the unique operating conditions of the operator's pipeline system. The operator must install and maintain valves for the purpose of minimizing the hazards resulting from a gas pipeline emergency. When an operator determines the minimum number and spacing of valves, the operator's primary objective shall be the protection of life and property by reducing the amount of time that a pipeline has an uncontrolled release of gas. The operator must consider this objective in conjunction with the criteria listed in subsections 1 and 2 of this rule. Operators must also incorporate their valve programs established in subsections (1) and (2) into their emergency plan and other plans and procedures designed to protect life and property in the event of an emergency.~~

~~(5) A risk-based analysis must be conducted to support any justification for not selecting valves listed under subsections (1) and (2) or 100% of the valves currently installed in the operators system. The analysis must be reviewed periodically as system changes are made.~~

(4~~6~~5) Operators must fully implement the requirements of subsections (2) and (3) of this section within one year of the adoption date of this rule.

WAC 480-93-100 Valves

Subsection (1): Following the workshop, Staff discussed the term "incorporated" in subsection (1), and concluded that term is the appropriate term to use. The intent of this rule is to require an operator to include in its operations manual the criteria for placement of valves and selection of the types of valves to use.

Subsection (4) was redrafted to eliminate passive language and based on comments received at the workshop.

Subsection (5) was deleted based on discussions at the workshop

Subsection (6) was renumbered; it is now subsection (5)

WAC 480-93-124 Pipeline markers.

~~(1) Operators must place pipeline markers at all railroad, road, irrigation, and drainage ditch crossings, and at all fence lines where a pipeline crosses private property, or where a pipeline or pipeline facility is exposed.~~

(1) Pipeline markers must be placed at the following locations:

~~(2)(b)(i) (a) Where practical, on all mains pipelines operating above two hundred fifty psig~~ at above 250 psig ~~or above;~~

~~(2)(b)(ii) (b) On both sides of crossings of navigable waterways; (custom signage may be required to ensure visibility)~~

~~(2)(b)(iii) (c) On both sides of river, creek, drainage ditch or irrigation canal crossings where hydraulic scouring, dredging, or other activity could pose a risk to the pipeline; (custom signage may be required to ensure visibility)~~

~~(2)(b)(iv) (d) On both sides of railroad crossings;~~

~~(e) On above ground pipelines and pipeline facilities. Structures such as homes or businesses Service risers and having meter set assemblies are exempt from this requirement;~~

~~(f) On mains in areas of unusual activity where it is necessary to identify the location of the pipeline to reduce the possibility of damage;~~

~~(g) Over mains located in class 1 and 2 locations;~~

~~(h) Over all transmission lines in class 1 and 2 locations, and where feasible, over transmission lines in class 3 and 4 locations;~~

~~(i) At fence lines over mains crossing private property; and~~

~~(j) On both sides of interstate, U.S. and state route crossings.~~

~~(2)(a) For buried pipelines, operators must place pipeline markers approximately five hundred yards apart, if practical, and at points of horizontal deflection of the pipeline.~~

~~(b) The following pipelines must have pipeline markers installed, not withstanding any exceptions in 49 CFR § 192.707(b):~~

~~(2) Where markers are required on buried pipelines, operators must, if practical, place them approximately five hundred yards apart and at points of horizontal deflection of the pipeline. All attempts must be taken to ensure that markers are visible from any point of the pipeline.~~

~~(3) Where gas pipelines are attached to bridges or otherwise span an area, operators must place pipeline markers at both ends of the suspended pipeline. Each operator~~ Operators must conduct inspections at least annually, but not to exceed fifteen months between inspections, ~~and maintain the markers to ensure that they~~ markers are visible and legible.

~~(4) Operators must replace markers that are reported damaged or missing within forty-five days.~~

(5) Surveys of pipeline markers not associated with subsection (3) of this section must be conducted as frequently as necessary, to maintain the markers to ensure that they are visible and legible, but at intervals not to exceed five years. ~~The survey records must be kept for a minimum of ten years.~~

(a) The operator must keep on file the last two surveys, or all surveys for the past five years, whichever number of surveys is greater.

(b) Survey records must include a description of the system and area surveyed.

(6) Operators must have maps, drawings or other sufficient records indicating class locations and other areas where pipeline markers are required.

WAC 480-93-100 Pipeline markers

Subsection (1) (a): We removed the word "at."

Subsection (1) (c): We added "custom signage may be required to ensure visibility" to mirror subsection (1) (b), based on stakeholder suggestion at the workshop.

Subsection (1) (e) was rewritten using stakeholder suggested language.

Subsection (1) (f) was deleted.

We redrafted subsection (1)(h) based on stakeholder request. At the workshop, stakeholders suggested this subsection be broken out by classes.

Subsection (2), second sentence was deleted based on stakeholder suggestion.

WAC 480-93-170 Tests and reports for pipelines.

(1) Operators must notify the commission in writing at least ~~two~~ three business days prior to the commencement of any pressure test of a gas pipeline that will have a MAOP that produces a hoop stress of twenty percent or more of the specified minimum yield strength of the pipe used. Operators must file their pressure test procedures with the commission or submit them at the time of the notification.

(a) The pressure tests of any such gas pipeline built in Class 3 or Class 4 locations, as defined in 49 CFR § 192.5, or within one hundred yards of a building, must be at least eight hours in duration.

(b) When the test medium is to be a gas or compressible fluid, each operator must notify the appropriate public officials so that adequate public protection can be provided for during the test.

(c) In an emergency situation where it is necessary to maintain continuity of service, the requirements of subsection (1) of this section and subsection (1)(a) of this section may be waived by notifying the commission by telephone prior to performing the test.

~~(d) Pressure test procedures must be provided to the commission for review at least three business days prior to the commencement of any pressure test.~~

(2) The minimum test pressure for any steel service line or main, regardless of the intended operating pressure, must be determined by multiplying the intended MAOP by a factor determined in accordance with the table located in 49 CFR § 192.619 (a)(2)(ii).

(3) Operators must perform pressure tests for all new or replacement pipeline installations.

(4) All service lines that are broken, pulled, or damaged, resulting in the interruption of gas supply to the customer, must be pressure tested from the point of damage to the service termination valve (generally the meter set) prior to being placed back into service.

(5) Operators may only use pretested pipe when it is not feasible to conduct a pressure test.

(6) Operators must perform soap tests at the tie-in joints at not less than the current operating pressure of the pipeline.

(7) Operators must keep records of all pressure tests performed for the life of the pipeline and must document the following information:

- (a) Operator's name;
- (b) Employee's name;
- (c) Test medium used;
- (d) Test pressure;
- (e) Test duration;
- (f) Pipe size and length;

- (g) Dates and times; and
- (h) Test results.

(8) Where feasible, operators must install and backfill plastic pipe prior to pressure testing to expose any potential damage that could have occurred during the installation and backfill process.

(9) Where multiple pressure tests are performed on a single installation, operators must maintain a record of each test. An example of a single installation with multiple tests would be any continuous on-going job or installation such as a new plat or long main installation where more than one pressure test was conducted during construction.

(10) Pressure testing equipment must be maintained, tested for accuracy, or calibrated, in accordance with the manufacturer's recommendations. When there are no manufacturer's recommendations, then pressure testing equipment must be tested for accuracy at an appropriate schedule determined by the operator. Test equipment must be tagged with the calibration or accuracy check expiration date. The requirements of this section also apply to equipment such as pressure charts, gauges, dead weights or other devices used to test, monitor or check system pressures or set-points.

WAC 480-93-170 Tests and reports for pipelines.

Based on discussions at the workshop, subsection (1) changed from “two” businesses days to “three.” Subsection (1) (d) was merged with subsection (1) and reflects stakeholder suggested language.

WAC 480-93-180 - ~~Plan of operations and maintenance procedures; emergency policy; reporting requirements.~~ Plans and procedures.

(1) Each operator must have and follow a gas pipeline plan and procedure manual (manual) for operation, maintenance, inspection, and emergency response activities that is specific to the operator's system. ~~The manual must comply with the provisions of the "Pipeline Safety Improvement Act of 2002."~~ The manual must include plans and procedures for meeting all applicable requirements of 49 CFR Parts 191, 192 and chapter WAC 480-93 WAC, and any plans or procedures used by an operator's associated contractors.

(2) ~~Plans~~ The manual must be filed with the commission forty-five (45) days prior to the operation of any gas pipeline, as soon as practical for review and determination as to their adequacy, when properly executed, to achieve an acceptable level of safety. ~~Revisions to the manual must be filed with the commission as soon as practical.~~ Operators must file revisions to the manual with the commission annually. The commission may, after notice and opportunity for hearing, require that a manual be revised or amended. Applicable portions of the manual related to a procedure being performed on the pipeline must be retained on-site where the activity is being performed.

~~(3) The manual must have a list specifying what records the operator maintains on which forms and databases.~~

~~(4) The manual must be written in detail sufficient for a person with adequate training to perform the tasks described. For example, a manual should contain specific, detailed, step-by step instructions on how to maintain a regulator or rectifier, conduct a leak survey or conduct a pressure test. The commission does not usually consider a quote from a provision of WAC 480-93 or 49 CFR Part 192 to be an adequately detailed description of a task.~~

WAC 480-93-180 Plans and procedures (new draft title per staff)

The title of this rule was changed on Staff's suggestion.

Subsection (2), second sentence was changed to add stakeholder suggested language.

Subsection (3) was deleted, redrafted, and moved to WAC 480-93-018 (3) based on the suggestion of stakeholders.

Subsection (4) was renumbered as subsection (3). The last sentence was deleted as suggested by stakeholders.

480-93-188 Gas leak surveys.

(1) Operators must perform gas leak surveys using a gas detection instrument covering the following areas:

(a) Over all mains, services, and transmission lines including the testing of the atmosphere near other utility (gas, electric, telephone, sewer, or water) boxes or manholes, and other underground structures;

(b) Through cracks in paving and sidewalks;

(c) On all above ground piping (may be checked with either a gas detection instrument or with a soap solution);

(d) Where a gas service line exists, a survey must be conducted at the building wall at the point of entrance, using a bar hole if necessary; and

(e) Within all buildings where gas leakage has been detected at the outside wall, at locations where escaping gas could potentially migrate into and accumulate inside the building.

(2) Gas detection instruments must be maintained, tested for accuracy, calibrated, and operated in accordance with the manufacturer's recommendations. If there are no written manufacturer's recommendations or schedules, then instruments must be tested for accuracy at least monthly, but not to exceed forty-five days between testing, and include testing at least twelve times per year. Any instrument that fails its applicable tolerances must be calibrated or removed from service. Records of accuracy checks, calibration and other maintenance performed must be maintained for 5 years.

(3) Gas leak surveys must be conducted according to the following minimum frequencies:

(a) Business districts - at least once annually, but not to exceed fifteen months between surveys. All mains in the right of way adjoining a business district must be included in the survey;

(b) High occupancy structures or areas - at least once annually, but not to exceed fifteen months between surveys;

(c) **Mains** Pipelines operating at or above two hundred fifty psig - at least once annually, but not to exceed fifteen months between surveys; **and**

(d) Where the gas system has cast iron, wrought iron, copper, or noncathodically protected steel - at least twice annually, but not to exceed seven and one-half months between surveys; **and**

(e) Un-odorized pipelines - at least monthly.

(4) Special leak surveys must be conducted under the following circumstances:

(a) Prior to paving or resurfacing, following street alterations or repairs where gas facilities are under the area to be paved, and where damage could have occurred to gas facilities;

(b) In areas where substructure construction occurs adjacent to underground gas facilities, and damage could have occurred to the gas facilities, operators must perform a gas leak survey following the completion of construction, but prior to paving;

(c) Unstable soil areas where active gas lines could be affected;

(d) In areas and at times of unusual activity, such as earthquake, floods, and explosions; and

(e) After third-party excavation damage to services, operators must perform a gas leak survey from the point of damage to the service tie-in.

(5) Survey records must be kept for a minimum of five years. At a minimum, survey records must contain the following information:

(a) Description of the system and area surveyed (including maps and leak survey logs);

(b) Survey results;

(c) Survey method;

(d) Name of the employee who performed the survey;

(e) Survey dates; and

(f) Instrument tracking or identification number.

(6) Each operator must perform self audits of the effectiveness of its leak detection and recordkeeping programs. Operators must maintain records of the self audits for five years. Self audits must be performed as frequently as necessary, but not to exceed three years between audits. At a minimum, self audits should ensure that:

(a) Leak survey schedules meet the minimum federal and state safety requirements for gas pipelines;

(b) Consistent evaluations of leaks are being made throughout the system;

(c) Repairs are made within the time frame allowed;

(d) Repairs are effective; and

(e) Records are accurate and complete.

~~(7) Operators must fully implement subsection (3)(a) of this section within two years of the adoption of this rule.~~

WAC 480-93-188 Gas leak surveys

Language from WAC 480-93-015 was moved to subsection (3)(e) of this rule, and redrafted to fit here.

Subsection (7) was deleted. This was not discussed at the workshop. Subsection (7) was included in the June 2005 rules to allow operators a reasonable time to implement this rule. That time has elapsed and it is no longer necessary. This rule with its draft changes will be effective after June 2007.

WAC 480-93-200 Reporting requirements for operators of gas facilities.

(1) Every operator must give notice to the commission by telephone within two hours of discovering an incident or hazardous condition arising out of its operations that:

- (a) Results in a fatality or personal injury requiring hospitalization;
- (b) Results in damage to the property of the operator and others of a combined total exceeding fifty thousand dollars;
- (c) Results in the evacuation of a building, or a high occupancy structures or areas;
- (d) Results in the unintentional ignition of gas;
- (e) Results in the unscheduled interruption of service furnished by any operator to twenty-five or more distribution customers;
- (f) Results in a pipeline or system pressure exceeding the MAOP plus ten percent or the maximum pressure allowed by proximity considerations outlined in WAC 480-93-020;
- (g) ~~Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (ef) of this subsection;~~ Results in the news media reporting the occurrence: or
- (h) ~~Results in the news media reporting the occurrence, even though it does not meet the criteria of (a) through (ef) of this subsection.~~ Is significant, in the judgment of the operator, even though it does not meet the criteria of (a) through (g) of this subsection

(2) Operators must give notice to the commission by telephone within twenty-four hours of occurrence of every incident or hazardous condition arising out of its operations that results in:

- (a) The uncontrolled release of gas for more than two hours;
- (b) The taking of a high pressure supply or transmission pipeline or a major distribution supply pipeline out of service;
- (c) A pipeline or system operating at low pressure dropping below the safe operating conditions of attached appliances and gas equipment; or
- (d) A pipeline or system pressure exceeding the MAOP.

(3) Routine or planned maintenance and operational activities of the operator that result in operator-controlled plant and equipment shut downs, reduction in system pressures, flaring or venting of gas, and normal leak repairs are not reportable items under this section.

(4) Operators must provide to the commission a written report within thirty days of the initial telephonic report required under subsections (1) and (2) of this section. At a minimum, written reports must include the following:

- (a) Name(s) and address(es) of any person or persons injured or killed, or whose property was damaged;
- (b) The extent of such injuries and damage;

(c) A ~~detailed~~ description of the incident or hazardous condition including the date, time, and place; and reason why the incident occurred; if more than one reportable condition arises from a single incident each must be included in the report.

(d) A description of the gas facilities involved in the incident or hazardous condition, the system operating pressure at that time, and the MAOP of the facilities involved;

~~(e) The date and time the operator was first notified of the incident;~~

~~(f) The date and time the operators' first responders arrived on site;~~

~~(g) The date and time the gas facility was made safe;~~

~~(h) The date, time, and type of any temporary or permanent repair made; and~~

~~(i) The cost of the incident to the operator;~~

~~(j) Line type;~~

~~(k) City and County of incident;~~

~~(l) MAOP of the line involved;~~

~~(m) Any other information deemed necessary by the commission; and~~

~~(n) A description of each incident or hazardous condition listed in subsections (1) and (2) that occurred. An example would be a single incident that involved a fire, an evacuation, media coverage, and blowing gas would require a description of the fire, a description of the evacuation, a description of the media coverage and a description of the blowing gas.~~

(5) Operators must submit a supplemental report if information becomes available after the 30 day report is submitted.

~~(6) Operators must provide to the commission a written report within forty five days a copy of each of receiving the failure analysis report completed or received by the operator, concerning of any incident or hazardous condition that was due to construction defects or material failure within five days of completion or receipt of such report.~~

~~(7) Operators must file with the commission the following annual reports no later than March 15 for the preceding calendar year:~~

~~(a) A copy of every Pipeline and Hazardous Materials Safety Administration (PHMSA) F-7100.1-1 and F-7100.2-1 annual report required by U.S. Department of Transportation, Office of Pipeline Safety.~~

~~(b) A report titled, "Damage Prevention Statistics." The Damage Prevention Statistics report must include in detail the following information:~~

~~(i) Number of gas-related one-call locate requests completed in the field;~~

~~(ii) Number of third-party damages incurred; and~~

~~(iii) Cause of damage, where cause of damage is classified as one of the following either:~~

~~(A) Inaccurate locate;~~

~~(B) Failure to use reasonable care; or~~

~~(C) Excavated prior to a locate being conducted; or~~

(D) Excavator failed to call for a locate.

(c) A report detailing all construction defects and material failures resulting in leakage. Operators must categorize the different types of construction defects and material failures anticipated for their system. The report must include the following:

- (i) Types and numbers of construction defects; and
- (ii) Types and numbers of material failures.

(78) Operators must file with the commission, and with appropriate officials of all municipalities where operators have facilities, the names, addresses, and telephone numbers of the responsible officials of the operator who may be contacted in the event of an emergency. In the event of any changes in operator personnel, the operator must notify immediately the commission and municipalities.

(89) Operators must send to the commission, by e-mail, daily reports of construction and repair activities. ~~electronically to the commission. Operators may send reports either by facsimile or e-mail to the commission. Reports may be faxed only if the operator does not have e-mail capability.~~ The Reports must be received no later than 10:00 a.m. each day of the scheduled work, and must include both operator and contractor construction and repair activities. Report information must be broken down by individual crews and the scheduled work must be listed by address, as much as practical, in the order of construction. To the extent possible the reports will only contain construction and repair activity scheduled for that day, but it may include a reasonable allowance for scheduling conflicts or disruptions.

(910) When an operator is required to file a copy of a DOT Drug and Alcohol Testing Management Information System (MIS) Data Collection Form with the U.S. Department of Transportation, Office of Pipeline Safety, the operator must simultaneously submit a copy of the form to the commission.

WAC 480-93-200 Reporting requirements for operators of gas facilities.

Subsection (4) (c) We deleted the word “detailed” in the first sentence per stakeholder suggestion. We added new language to the last part of subsection (4)(c) as suggested in the summary of written comments.

Subsection (4) (n) was deleted and merged with (4) (c).

Subsection (5) is a new draft subsection that provides an operator the opportunity to submit a supplemental report if additional data is available after the 30 day reporting requirement.

Subsection (6) was redrafted per stakeholder comment.

Subsection (7) A new subsection (7)(b)(iii)(D) was added following the workshop. After reviewing the form “Damage Prevention Statistics,” Staff found no provision for an operator to provide data when an excavator fails to call for a locate.

Subsection (9) Per stakeholder comments we deleted “in order of construction” in fifth sentence.

WAC 480-93-XXX Damage prevention

~~(1) Each operator must comply with the provisions of RCW 19.122, to the extent those provisions apply to that operator. A failure to comply with any provision of RCW 19.122 is a violation of this rule. Each day a violation persists is a separate violation of this rule. In determining whether an operator has complied with the provisions of RCW 19.122, the definitions contained in that chapter will apply. The definitions in WAC 480-93 (other than the definition of "operator") do not apply.~~

~~(2) When an operator has been notified by an excavator that excavation work will uncover any portion of a pipeline operating above 100 psig, the operator shall ensure that the pipeline section in the vicinity of the excavation is examined for damage prior to being reburied.~~

- (1) Each operator must comply with RCW 19.122, including:
- a) Subscribe to the appropriate one-number locator service;
 - b) Provide, upon receipt of locate notice, reasonably accurate information as to its locatable underground facilities by surface-marking the location of the facilities;
 - c) Respond with locate markings within two business days after receipt of the notice or within a time mutually agreed upon between the operator and the excavator requesting the utility locate information.

<p>WAC 480-93-XXX Damage prevention This draft rule was redrafted based on discussions at the workshop.</p>
